

To: Bob Shavelson [bob@inletkeeper.org]
Cc: []
Bcc: []
From: CN=Phil North/OU=R10/O=USEPA/C=US
Sent: Thur 10/19/2006 4:21:39 PM
Subject: Re: FW: discussion paper
Protecting salmon habitat.doc

Bob,
Thanks for Jan's paper. Do you know where he is distributing it?

There is one part of the mine that is a huge risk but does not get much mention - the road. The road in itself will cause ongoing problems for the streams that flow into Lake Iliamna and the lake itself. Modifications to hydrology both in the streams and on the hill slopes will cause streams to be more flashy and will induce erosion. During rain events new plumes of turbid water will appear in the lake, clarity of lake water will go down slightly and productivity with it. Geomorphic processes in the stream will be changed, affecting erosion dynamics and stream productivity. The streams are, at least in part, the delivery rooms of fish in the lake.

And whether they use a slurry pipeline or trucks they will have spills during the life of the mine. Inevitably some of the concentrate will get to streams and the lake. Red Dog mine trucks their concentrate to the port. They have had many trucks go off the road spilling their loads onto the tundra. The flat tundra is easy to clean up compared to steep hills and fast moving streams.

I don't here folks talk about the lake system, but it is threatened by the mine proposal.

Another topic that comes to mind from reading the paper is the issue of general development across the landscape. We have talked about this before. I think it is as great or greater a threat to aquatic systems than these large projects. Alaska's claim to stellar management of salmon completely falls apart here. None of us are doing enough to prevent problems associate with general development. Yet this is probably the easiest problem to solve. It is a land use/planning issue. We know how to do it. Local governments are in the best position to do something. The lower 48 and Anchorage provide all the lessons and all the solutions but we ignore it all. There does not seem to be the foresight.

Phil

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"To protect your rivers, protect your mountains."

Bob Shavelson <bob@inletkeeper.org>
10/18/2006 03:28 PM
To 'Sue Mauger' <sue@inletkeeper.org>, 'Robert Ruffner' <robert@kenaiwatershed.org>, Phil
North/R10/USEPA/US@EPA

cc
Subject FW: discussion paper

Fyi - recent salmon protection paper from jan konigsberg.....

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-----Original Message-----

From: Jan Konigsberg [work] [mailto:hydro@gci.net]
Sent: Wednesday, October 18, 2006 2:12 PM
To: Bob Shavelson
Subject: discussion paper

Bob,

OK, here's the most recent version of the paper which I'm distributing.